# TENNESSEE

# ALTERNATIVE PERFORMANCE BASED ASSESSMENT (APBA)

STUDENT*_____DOB_____

COURSE_____

TEACHER_____

End of Course score_____ Date End of Course Administered_____

Percent/Adjusted Score Based On Alternative Performance Based Assessment _____

I certify that the above named student ☐ has ☐ has not demonstrated through state allowable evidence the essential knowledge and skills for the above named course.

_____

Teacher signature Date

**Note – Only students with disabilities on an active IEP are eligible for participation in the APBA*

Algebra II Rubric

| Strand | Course Level Expectations | Method of Assessment *See Key | 0 = No Evidence<br>1 = limited Evidence<br>2 = Proficient or Above<br>Rating from 0 to 2 |
|---|---|---|---|
| **Mathematical Processes** | 1. Move flexibly between multiple representations of linear and nonlinear functions to solve problems, model mathematical concepts, and interpret solutions. | | 0 1 2 |
| | 2. Use technology to analyze functions and data. | | 0 1 2 |
| **Number and Operations** | 3. Simplifies and performs operations on complex numbers. | | 0 1 2 |
| | 4. Solve quadratic equations including those with complex roots. | | 0 1 2 |
| **Algebra** | 5. Perform operations with polynomials. | | 0 1 2 |
| | 6. Connect polynomial functions and their graphs to determine zeros and intercepts. | | 0 1 2 |
| | 7. Identify, graph, and translate transcendental functions and articulate the relationships between the standard form and the key characteristics of the graph. | | 0 1 2 |
| | 8. Identify, graph, and translate conic sections (circles, parabolas, ellipses, and hyperbolas) and articulate the relationships between the standard form and the key characteristics of the graph. | | 0 1 2 |
| | 9. Solve systems of three linear equations in three variables. | | 0 1 2 |
| | 10. Solve exponential equations and apply properties of logarithms. | | 0 1 2 |
| | 11. Perform operations on rational expressions and solve rational equations. | | 0 1 2 |
| | 12. Apply laws of exponents with rational exponents in simplifying and problem-solving; connect rational exponents to radical expressions. | | 0 1 2 |
| | 13. Given formulas, determine terms and sums of finite arithmetic and geometric sequences. | | 0 1 2 |

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|---|---|---|---|
| **Geometry and Measurement** | 14. Relate the trigonometric functions to the unit circle. | | 0 1 2 |
| | 15. Identify graphs for sine, cosine, and tangent functions. | | 0 1 2 |
| | 16. Determine the amplitude of sine and cosine functions and the period of any trigonometric function. | | 0 1 2 |
| **Data Analysis, Statistics, and Probability** | 17. Compare data sets using graphs and summary statistics (central tendency and spread). | | 0 1 2 |
| | 18. Apply the characteristics connecting area and proportions in the normal distribution. | | 0 1 2 |
| | 19. Use technology to find a regression curve that fits data (linear or nonlinear) and use the regression equation to make predictions. | | 0 1 2 |
| | 20. Justify the selection for a regression model. | | 0 1 2 |

***Method of Assessment Key**

1. Use of routine classroom tests and/or assignments
2. Projects
3. Oral response
4. Written response
5. Use of technology
6. Other

**TOTAL POINTS** _____

**Percentage = Total Points / 40** _____ %

**Statement of Assurance (REQUIRED)**: As the teacher of record, I attest that I have reviewed and evaluated the evidence that supports each rating and the percent score.

_____ Signature

_____ Date